# *BRUHAT BANGALORE MAHANAGARA PALIKE*

## *YELAHANKA ZONE*

### *DIVISION: BYATARAYANAPURA*

### *SUB DIVISION: VIDYARANYAPURA*

***Name of Work**: Estimate for Improvements to CC Road and Drains Murali House Road in Gangmma Temple in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.*

***JOB CODE:***

***Estimated Cost: Rs. 10.00 Lakhs***

# ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ಬೆಂಗಳೂರು – 92.

**ವರದಿ:**

ವಿಷಯ: Improvements to CC Road and Drains Murali House Road in Gangmma Temple in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Divisionನ ಕಾಮಗಾರಿ ಅಂದಾಜನ್ನು ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

ಕಾಮಗಾರಿ ಸಂಕೇತ:

* * * * *

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗದ ವಾರ್ಡ್ ನಂ. 11ರ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಗಂಗಮ್ಮ ಗುಡಿ ಮುರಳಿ ಮನೆ ರಸ್ತೆ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗೆ 2013-14ನೇ ಸಾಲಿನ ಅನುದಾನದಡಿ ರೂ. 10.00 ಲಕ್ಷಗಳ ಅನುದಾನಕ್ಕೆ ಅನುಮೋದನೆಯಾಗಿರುತ್ತದೆ.

ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಗಂಗಮ್ಮ ಗುಡಿ ಮುರಳಿ ಮನೆ ರಸ್ತೆಯು ಮಣ್ಣು ರಸ್ತೆಯಾಗಿದ್ದು, ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಜಲಮಂಡಳಿ ರವರು ಸ್ಯಾನಿಟರಿ ಕೊಳವೆ ಸಾಲುಗಳನ್ನು ಅಳವಡಿಸಲು ರಸ್ತೆ ಅಗೆದು ಸರಿಯಾಗಿ ಮುಚ್ಚದೆ ರಸ್ತೆಯು ಹಳ್ಳ ಮತ್ತು ಗುಂಡಿಗಳಿಂದ ಕೊಡಿರುತ್ತದೆ ಹಾಗೂ ಸಾರ್ವಜನಿಕರ ಸಂಚಾರಕ್ಕೆ ತುಂಬ ತೊಂದರೆಯಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಸದರಿ ರಸ್ತೆಗಳನ್ನು ಅಭಿವೃದ್ಧಿ ಪಡಿಸಲು ಸ್ಥಳೀಯ ಚುನಾಯಿತ ಪ್ರತಿನಿಧಿಗಳು ಕೋರಿರುವುದರ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು 2013-14ನೇ ಸಾಲಿನ ಕಾರ್ಯಕ್ರಮದ ಯೋಜನೆಯಡಿ ಕಾಮಗಾರಿಯನ್ನು ಸೇರಿಸಿಕೊಂಡು ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಬೇಕಾಗಿರುತ್ತದೆ, ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ಹಿಸಲು ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

1. ಕಾಂಕ್ರೀಟ್ ಮತ್ತು ಅಡ್ಡರಸ್ತೆಗಳ ಕಾಂಕ್ರೀಟ್ ರಸ್ತೆ ನಿರ್ಮಿಸಲು ಮಣ್ಣು ಅಗೆತದ ಕೆಲಸ ಮಾಡುವುದು.
2. ಅವಶ್ಯಕತೆಇರುವ ಕಡೆ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ನಿರ್ಮಿಸುವುದು.
3. ಸಿಮೆಂಟ್ ಕಾಂಕ್ರಿಟ್ ಎಂ7.5 ಹಾಗೂ ಎಂ20 ಅಳವಡಿಸಿ ಕಾಂಕ್ರಿಟ್ ರಸ್ತೆ ನಿರ್ಮಾಣ ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಅಂದಾಜನ್ನು 2013-14ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ರೂ. 10.00 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, 2013-14ನೇ ಸಾಲಿನ ಕ್ರಾರ್ಯಕ್ರಮದಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ ಕಾಮಗಾರಿ ಸಂಕೇತ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಕಿರಿಯ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 11 (ಕುವೆಂಪುನಗರ)
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ
ಬ್ಯ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು – 97.

# BRUHAT BANGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

**Name of work:** Estimate for Improvements to CC Road and Drains Murali House Road in Gangmma Temple in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

**Estimate Cost Rs. 1000000.00**

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-2. Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152/ Item No. 19.2 / PWD SR 2013-14** | Cum | | | | | | | |
| | RCC Drain near Gangamma Temple | | 1 | 75.00 | 0.70 | 0.70 | 36.75 | | |
| | For CC Road | | 1 | 75.00 | 3.00 | 0.20 | 45.00 | | |
| | | | 1 | 72.00 | 4.00 | 0.20 | 57.60 | | |
| | | | | | | | **139.35** | 90.72 | **12642.00** |
| | Basic Rate | 84.00 | | | | | | | |
| | Area Weightage @ 8% | 6.72 | | | | | | | |
| | **Total** | **90.72** | | | | | | | |
| 2 | KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 159 / Item No. 19.60 / PWD SR 2013-14** | Cum | | | | | | | |
| | For Road Work | | 1 | 75.00 | 3.00 | 0.30 | 67.50 | | |
| | | | | | | | **67.50** | 166.32 | **11227.00** |
| | Basic Rate | 154.00 | | | | | | | |
| | Area Weightage @ 8% | 12.32 | | | | | | | |
| | **Total** | **166.32** | | | | | | | |
| 3 | KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14** | Cum | | | | | | | |
| | RCC Drain | | 1 | 75.00 | 0.70 | 0.15 | 7.88 | | |
| | For CC Road | | 1 | 75.00 | 3.00 | 0.15 | 33.75 | | |
| | | | 1 | 72.00 | 4.00 | 0.15 | 43.20 | | |
| | | | | | | | **84.83** | 4290.84 | **363971.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 3973.00 | | | | | | | |
| | Area Weightage @ 8% | 317.84 | | | | | | | |
| | **Total** | **4290.84** | | | | | | | |
| 4 | KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14** | Sqm | | | | | | | |
| | For RCC drain | | 4 | 75.00 | | 0.45 | 135.00 | | |
| | | | 1 | 75.00 | | 0.45 | 33.75 | | |
| | | | | | | | **168.75** | 271.08 | **45745.00** |
| | Basic Rate | 251.00 | | | | | | | |
| | Area Weightage @ 8% | 20.08 | | | | | | | |
| | **Total** | **271.08** | | | | | | | |
| 5 | KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14** | Cum | | | | | | | |
| | Bottom | | 1 | 75.00 | 0.60 | 0.10 | 4.50 | | |
| | Side Walls | | 2 | 75.00 | 0.10 | 0.45 | 6.75 | | |
| | Covering Slab | | 1 | 75.00 | 0.60 | 0.10 | 4.50 | | |
| | | | | | | | **15.75** | 5639.76 | **88826.00** |
| | Basic Rate | 5222.00 | | | | | | | |
| | Area Weightage @ 8% | 417.76 | | | | | | | |
| | **Total** | **5639.76** | | | | | | | |
| 6 | KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500** | Qntl | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 0.70 | 15.75 | | | 11.03 | | |
| | | | | | | | **11.03** | 7450.92 | **82146.00** |
| | Basic Rate | 6899.00 | | | | | | | |
| | Area Weightage 8% | 551.92 | | | | | | | |
| | Total | **7450.92** | | | | | | | |
| 7 | KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14** | M | | | | | | | |
| | | | 7 | 3.00 | | | 21.00 | | |
| | | | 7 | 4.00 | | | 28.00 | | |
| | | | | | | | **49.00** | 137.16 | **6721.00** |
| | Basic Rate | 127.00 | | | | | | | |
| | Area Weightage @ 8% | 10.16 | | | | | | | |
| | **Total** | **137.16** | | | | | | | |
| 8 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14** | Cum | | | | | | | |
| | | | 1 | 75.00 | 3.00 | 0.10 | 22.50 | | |
| | | | 1 | 72.00 | 4.00 | 0.10 | 28.80 | | |
| | | | | | | | **51.30** | 6464.88 | **331648.00** |
| | Basic Rate | 5986.00 | | | | | | | |
| | Area Weightage @ 8% | 478.88 | | | | | | | |
| | **Total** | **6464.88** | | | | | | | |
| 9 | **Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14** | Sqm | | | | | | | |
| | | | 1 | 75.00 | 3.00 | | 225.00 | | |
| | | | 1 | 72.00 | 4.00 | | 288.00 | | |
| | | | | | | | **513.00** | 91.80 | **47093.00** |
| | Basic Rate | 85.00 | | | | | | | |
| | Area Weightage @ 8% | 6.80 | | | | | | | |
| | Total | **91.80** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | Cum | | | | | | | |
| | | | | Vide Item No. 1 | | | 132.38 | 72.71 | 9625.00 |
| | Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12 | 5.12 | | | | | | | |
| | Add loading and unloading Vide item no.17.1 P.no.141 | 62.20 | | | | | | | |
| | | 67.32 | | | | | | | |
| | Area Weightage @ 8% | 5.39 | | | | | | | |
| | Total | 72.71 | | | | | | | |
| 11 | Miscesallaneous Charges | L/S | | | | | | | 356.00 |
| | | | | | | | | Total | 1000000.00 |

(Rupees Ten Lakhs Only)

deleted

limited to 300

14. TPS Charges.

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14.
3 This work included under POW Grants 2013-14.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 10.00 Lakhs

Rupees Ten lakhs only

Under P-1771

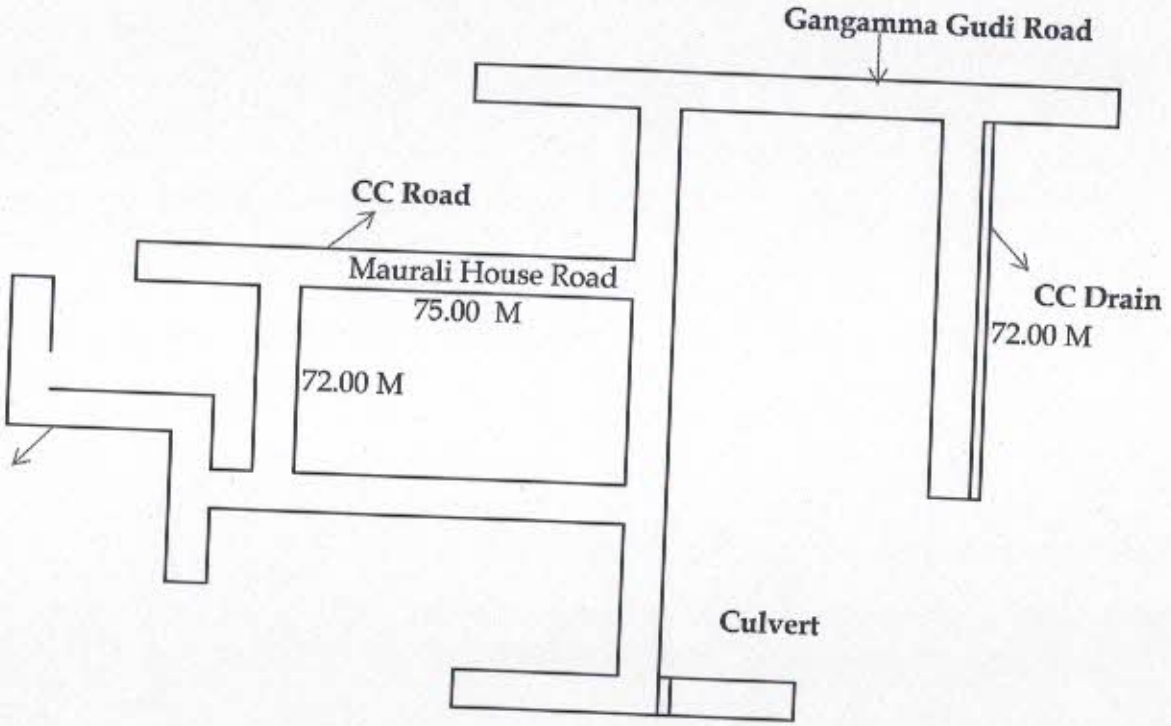
Registered as EE ( ) No. JC(Ye)416/13-14
Subject to conditions contained in
enclosed memo EE ( ) No. JC(Ye)416/13-14
Dt. 30/10/13 Estimate A/Sanctioned

dated Rs. 10.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bangalore-92

Technical Sanction for Rs. 10.00 Lakhs
Ten Lakhs only
P-1771
EE No. 202/13-14
Subject
Ref
to estimate
No: EE NO. 202/13-14 29/10/13
AE/JE
AE (RTP)

**Improvements to CC Road and Drains Murali House Road in Gangamma Temple in Ward No. 11 ( Kuvempunagara ), Vidyaranyapura Sub Division**




Junior Engineer
Ward No.11

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು.
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-೯